3D Segmentation and Visualization for The Mandible, Maxilla, and Teeth

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Condition: New. Publisher/Verlag: Noor Publishing | Biomedical Engineering | Severe malformations of the midface such as maxillary or mandibular deformity can be treated by distraction and reformation of skull bones. During an operation, the appropriate bony part of the mid-face is separated from the rest of the skull (osteotomy), slowly moved into the ideal position by way of a distraction device. In the current clinical practice, planning for orthognathic surgery was based on CT scans. While CT images inefficient for helping the surgeons in treatment and surgical planning so we need a tool that helps the physicians and surgeons in the treatment planning in order to give the true decision. The advantage of the Computer aided treatment planning is to provide an integrated three-dimensional planning and simulation environment for orthodontic treatment, to help orthodontists to accurately visualize 3D model for the patient and to prepare for the treatment plan before the treatment begins. There were many software packages that apply 3D visualization and segmentation but in a manual way not in an automatic segmentation like our software. | Format: Paperback | Language/Sprache: english | 140 pp.

Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that’s what catalogues are for concerning if you question me).
-- Prof. Kirk Cruickshank DDS

This kind of book is every little thing and taught me to looking ahead of time and a lot more. I am quite late in start reading this one, but better then never. I found out this book from my dad and i encouraged this pdf to find out.
-- Justus Hettinger